

ABSTRACT

There is provided a DNA molecule derived from a prokaryotic cell in which at least one of the DNA regions 5 encoding NXB (N is asparagine, X is any amino acid other than proline, and B is serine or threonine) has been modified so that no N-glycosylation occurs during the expression in a eukaryotic cell, and since the DNA molecule has been modified at the N-glycosylation site, 10 it produces a non-N-glycosylated protein, which thereby exhibits a high immunogenicity when, for example, it is allowed to produce, in a eukaryotic cell, an antigen protein derived from a prokaryotic cell.